

**U.G. 6th Semester Examination - 2021**

**BOTANY**

**[HONOURS]**

**Course Code : BOT-H-CC-P-14**

**(Plant Molecular Biology and Biotechnology)**

**[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

1. Give the principle of MS media preparation for plant tissue culture. What are the essential micro- and macro nutrients for MS media preparation? What is the role of pH in MS media preparation?

2+4+1

2. Answer any **three** of the following questions:

1×3=3

- a) What is micropropagation?
- b) Give one identifying feature of artificial seeds.
- c) Which of the technique is identified with vector : *Agrobacterium* mediated / gene gun mediated/ lysosome mediated in higher plants.

- d) What stands for *Bt* gene?
- e) Give one identifying character of somatic embryo.

3. Viva voce. 5

4. Practical Notebook, specimen submission etc. 5

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